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A.D. 1826 . . . . . N° 5358.

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S P E C I F I C A T I O N

OF

WILLIAM FENNER.

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APPARATUS FOR PROMOTING THE EGRESS  
OF SMOKE FROM FLUES, AND FOR  
CLEANSING FOUL CHIMNEYS.

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L O N D O N :

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**FENNER'S SPECIFICATION.**

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, WILLIAM FENNER, late of Bushell Rents, Wapping, in the County of Middlesex, but now of No. 11, Lower Fitzroy Place, New Road, in the said County, Carpenter, send greeting.

5    WHEREAS His present most Excellent Majesty King George the Fourth, by His Letters Patent under the Great Seal of Great Britain, bearing date at Westminster, the Sixth day of May, in the seventh year of His reign, did, for Himself, His heirs and successors, give and grant unto me, the said William Fenner, His especial licence that I, the said William Fenner, my  
10    exors, admors, and assigns, or such others as I, the said William Fenner, my exors, admors, or assigns, should at any time agree with, and no others, from time to time and at all times during the term of years therein expressed, should and lawfully might make, use, exercise, and vend, within England, Wales, and the Town of Berwick upon Tweed, my Invention of "IMPROVE-  
15    MENTS IN MACHINERY OR APPARATUS FOR CURING SMOKEY AND CLEANSING FOUL CHIMNEYS;" in which said Letters Patent is contained a proviso obliging me, the said William Fenner, by an instrument in writing under my hand and seal, particularly to describe and ascertain the nature of my said Invention, and in what manner the same is to be performed, and to cause the same to  
20    be inrolled in His Majesty's High Court of Chancery within six calendar months next and immediately after the date of the said recited Letters Patent, as in and by the same, reference being thereunto had, will more fully and at large appear.



*Fenner's Improvements in Apparatus for Curing Smoke in Chimneys, &c.*

NOW KNOW YE, that in compliance with the said proviso, I, the said William Fenner, do hereby declare the nature of my said Invention to consist in the application of a spiral pipe or flue to the upper part of an ordinary flue or chimney, for the purpose of encreasing draft and giving a better direction to the smoke, and also in means applied to cleaning the same; and in further 5 compliance with the said proviso, I, the said William Fenner, do hereby describe the manner in which my said Invention is to be performed by the following description thereof, reference being had to the Drawing annexed, and to the figures and letters marked thereon (that is to say):—

## DESCRIPTION OF THE DRAWING.

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Fig. 1 represents the section of a chimney with one of my said spiral pipes or flues at its upper part. A is the said spiral pipe, make of copper or other suitable material; and B, B, are two joints, the upper joint fitting over the joint next below it, and fastening with a stud and slot, like a bayonet stop. These joints are used for the purpose of taking the pipe asunder to clean it. 15 The spiral pipe is furnished with a flange D, D, at its lower end, which must of course be suited to the top of whatever flue it has to rest upon, and upon it is to be bedded in mortar, or secured in any other more convenient way, as circumstances may suggest. Fig. 2 represents another application of my said Invention, shewing the spiral pipe when it is inserted within the upper part of 20 a chimney, and also shewing the apparatus which must then be used for cleaning the same. A is the spiral pipe. It will be observed in this Drawing that the brickwork round the spiral pipe is much less in thickness than the brickwork of the strait or ordinary part of the flue below. C, C, C, are three sliding bolts moving in cases or hollow cylinders, which it will be seen are 25 built in the wall, and the object of these bolts is to tap against the spiral pipes when they are gently struck with a hammer from the outside of the chimney, in order to shake down the soot which may from time to time collect in the spiral pipe. It will be seen that there are small extra pieces of metal brazed on to the pipe for the bolts to strike on. This operation will be greatly 30 assisted if the soot be previously burned from below, a process which, where the spiral pipe is used, would not be attended with any danger, since the soot will thereby be prevented from accumulating.

Now whereas I claim as my Invention a spiral pipe as aforesaid, applied in any way to the upper part of a chimney or flue, for the purpose aforesaid, and 35 also the bolts herein-before described for cleaning the same; and such my Invention being, to the best of my knowledge and belief, entirely new and never before used within that part of His said Majesty's United Kingdom of



FIG. 1.

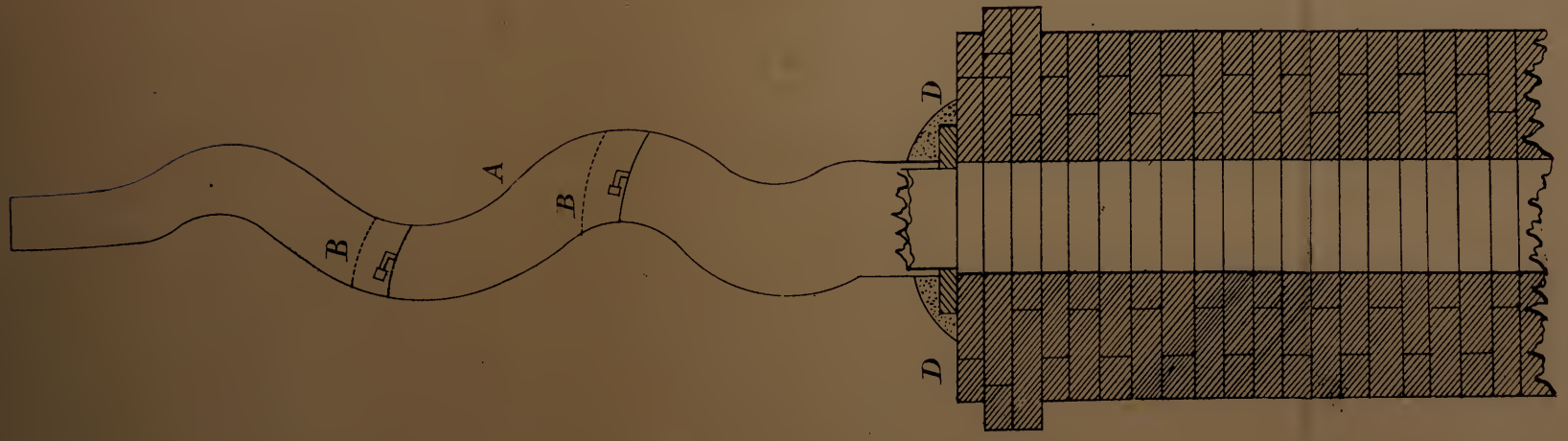
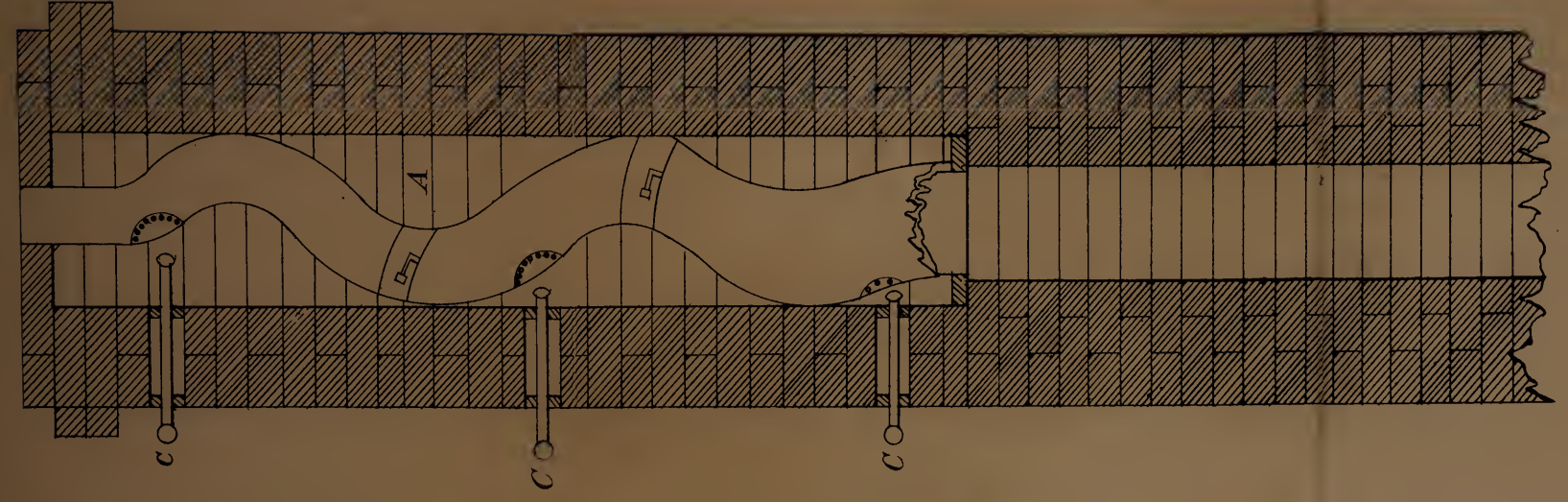


FIG. 2.



*The encolled drawings are colored.*





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*Fenner's Improvements in Apparatus for Curing Smoke in Chimneys, &c.*

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Great Britain and Ireland called England, His Dominion of Wales, or Town of Berwick upon Tweed, I do hereby declare this to be my Specification of the same, and that I do verily believe this my said Specification doth comply in all respects, fully and without reserve or disguise, with the proviso in the  
 5 said herein-before in part recited Letters Patent contained. Wherefore I hereby claim to maintain exclusive right and privilege to my said Invention.

In witness whereof, I, the said William Fenner, have hereunto set my hand and seal, this Sixth day of November, in the year of our Lord One thousand eight hundred and twenty-six.

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(L.S.) W<sup>m</sup> FENNER.

AND BE IT REMEMBERED, that on the Sixth day of November, in the year of our Lord 1826, the aforesaid William Fenner came before our said Lord the King in His Chancery, and acknowledged the Specification aforesaid, and all and every thing therein contained and specified, in form above  
 15 written. And also the Specification aforesaid was stamped according to the tenor of the Statute made for that purpose.

DOWDESWELL.

Inrolled the Sixth day of November, in the year of our Lord One thousand eight hundred and twenty-six.

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